



BarGuard® O **FP 5376**

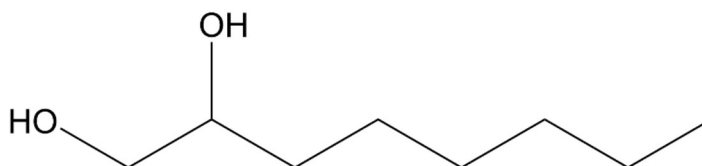
General

BarGuard® O is a 100% active, broad spectrum anti-microbial/preservative formulated for use in cosmetics and personal care products. Its unique, paraben and formaldehyde free formulation makes it ideal for both leave-on as well as rinse-off applications. BarGuard® O maintains its efficacy over a wide pH range (4-10) as well as in more challenging applications such as sunscreens and protective lotions.

Key Features

- Broad spectrum efficacy even in the most difficult applications
- Free from hazardous ingredients including parabens, MIT, CIT, and formaldehyde
- Exhibits both humectant and emollient properties
- Suitable for both leave-on and rinse-off applications
- Does not contain Bovine, Ovine, or Caprine derived materials

Chemical Structure



Product Information

Product Type:	Antimicrobial and Preservative
CAS Numbers:	1117-86-8
INCI Names:	Caprylyl Glycol
Applications:	Cosmetics
Registrations:	TSCA; EINECS

Typical Properties

Appearance:	White Waxy Solid/Clear Liquid
Water Content:	< 3.0%
Solubility:	1.8g per 100g of water

Typical Usage

BarGuard® O can be used at concentrations as low as 0.5% by weight and is soluble up to 1.5% in most cosmetic formulations. For maximum performance, BarGuard® O should be added directly to the water phase of the formulation and gently heated to facilitate dissolution. Care should be taken not to exceed 40°C, as this may cause a premature loss of efficacy.

Brands can maintain a “preservative free” claim when BarGuard® O is used alone, at 1% or less. At that level, to maintain efficacy products should be protected from finger contamination, i.e., bottles fitted with pump dispensers rather than open containers.

Safety and Handling

Keep the container tightly closed. Store in a cool and dark place. Store away from incompatible materials such as oxidizing agents. Handle in a well-ventilated area with suitable protective equipment. Use local exhaust if dust is generated. Avoid prolonged exposure to heat and light.

Detailed information is provided in the SDS.

For additional information visit our website www.hampfordresearch.com.